

AIR CONDITIONING PRESSURE SENSOR

ON-VEHICLE INSPECTION

1. CHECK PRESSURE SENSOR

- (a) Check the wire harness.
 - (1) Disconnect the connector of the pressure sensor.
 - (2) Measure the resistance of the wire harness side connector.

Standard resistance

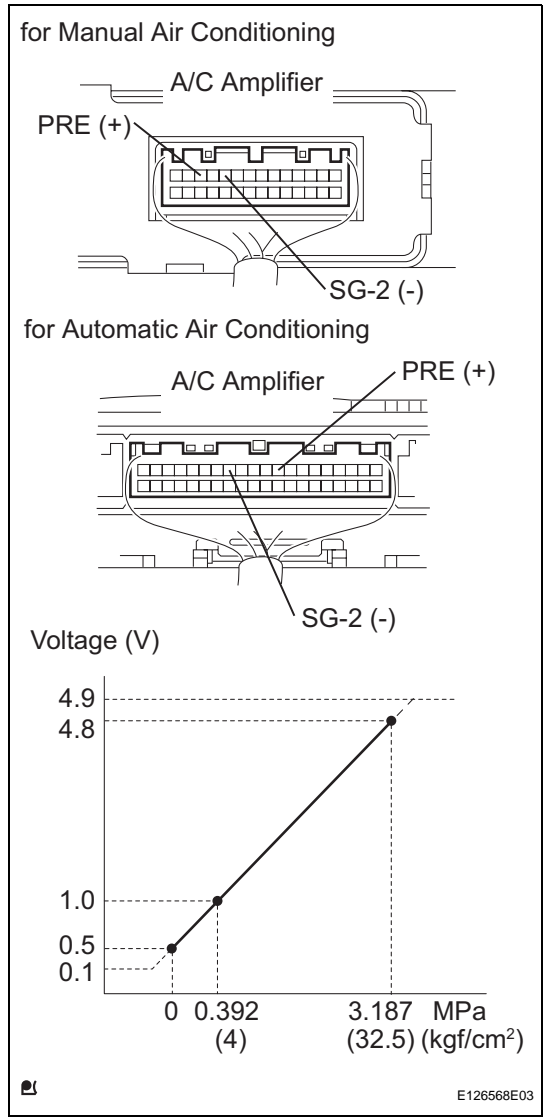
Tester Connection	Specified Condition
1 - Body ground	Below 1 Ω

- (3) Turn the ignition switch ON.
- (4) Measure the voltage of the wire harness side connector.

Standard voltage

Tester Connection	Specified Condition
1 - 3	4.7 to 5.3 V

If the result is not as specified, replace the pressure sensor.



- (b) Check the pressure sensor.
- (1) Set the manifold gauge.
 - (2) Connect the connector to the pressure sensor.
 - (3) Warm up the engine.
 - (4) Switch the A/C ON.
 - (5) Measure the voltage.
- Standard voltage**

Tester Connection	Refrigerant Pressure	Specified Condition
for Automatic Air Conditioner: E37-9 (PRE) - E37-13 (SG-2)	0.176 to 3.025 MPa (1.8 to 30.9 kgf/cm ²)	0.76 to 4.74 V
for Manual Air Conditioner: E36-12 (PRE) - E36-10 (SG-2)	0.176 to 3.025 MPa (1.8 to 30.9 kgf/cm ²)	0.76 to 4.74 V

If the result is not as specified, replace the pressure sensor.